

ABSTRACT

A molten zinc plated steel sheet superior in plating
bondability and provided with both strength and
5 shapeability is provided and a method of producing this
molten zinc plating steel sheet by a continuous zinc
plating production system which enables production at a
low cost without modification of the system or addition
of steps is provided, said molten zinc plated steel sheet
10 characterized by comprising, by wt%, a steel sheet
including C: 0.05 to 0.40%, Si: 0.2 to 3.0%, and Mn: 0.1
to 2.5%, the balance comprised of Fe and unavoidable
impurities, having on its surface a Zn plating layer
containing Al: 0.01 to 1% and the balance of Zn and
15 unavoidable impurities and containing inside the steel
sheet within 2 μ m from the interface of said plating
layer and steel sheet oxide particles of at least one
type of oxide selected from an Al oxide, Si oxide, Mn
oxide, or complex oxide comprised of at least two of Al,
20 Si, and Mn.